

AMENDMENTS TO THE CLAIMS:

1. (Currently amended) A shift actuator for a transmission, ~~which actuates said shift actuator actuating~~, in a direction of shift, a shift lever for operating a synchronizing device of the transmission, the synchronizing device having a synchronizing position, ~~the said shift actuator comprising:~~

a first electromagnetic solenoid and a second electromagnetic solenoid for actuating an operation member coupled to said shift lever in ~~the directions opposite to each other;~~ other, each of said first electromagnetic solenoid and said second electromagnetic solenoid comprising a casing, a fixed iron core disposed in said casing, a moving iron core ~~arranged to be allowed able~~ to approach, and separate away from, said fixed iron core, an operation rod mounted on said moving iron core for movement therewith to engage with said move the operation member, and an electromagnetic coil arranged between said casing and said fixed ~~iron core as well as said and moving iron core cores, wherein:~~

said fixed iron core and said moving iron core have opposing surfaces,

~~wherein a stepped protuberance is formed on either one of the opposing surfaces~~ surface of one of said fixed iron core and ~~of said moving iron core~~ has a stepped protuberance formed thereon,

~~a stepped recess is formed in the other the opposing surface of the other of said fixed~~ iron core and said moving iron core has a stepped recess formed therein to correspond to said stepped protuberance, and

~~a position at which an edge of said stepped protuberance and an edge of said stepped~~ recess become are closest to each other ~~is so constituted as to correspond at a position~~

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corresponding to the synchronizing position of ~~said~~ the synchronizing device.

2. (New) A shift actuator as claimed in claim 1, wherein each of said stepped protuberance and said stepped recess has a substantially uniform diameter over the length thereof.

3. (New) A shift actuator as claimed in claim 1, wherein each of said stepped protuberance and said stepped recess is tapered over the length thereof.